

Product data sheet

FT903 Immersion cooler

with immersion probe for rapid cooling of liquids

JULABO immersion coolers are primarily used for counter-cooling when connected to a heating circulator, or for rapidly cooling fluids down to low temperatures. Take advantage of the space-saving design.

JULABO immersion coolers represent an economical alternative to conventional tap water cooling. The easy-to-use units are suitable for a variety of cooling applications.



Product Features

- ✓ Rapid cooling of liquids down to low temperatures
- ✓ Counter-cooling of liquids in combination with heating circulators
- ✓ Preventing the use of precious tap water for cooling
- ✓ Compact design, small footprint
- ✓ Ease of operation
- ✓ Dry ice substitution

Performance values

Order number including voltage version (230V/50Hz)		9650893.33									
Cooling capacity 1 (Ethanol)											
°C	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80
kW ¹	0.3	0.29	0.27	0.26	0.25	0.24	0.23	0.21	0.18	0.13	0.05
Refrigerant stage 1						Refrigerant stage 2					
Refrigerant				R404A		Refrigerant				R23	
Filling weight g				310		Filling weight g				110	
Global Warming Potential for R404A				3922		Global Warming Potential for R23				14800	
Carbon dioxide equivalent t				1.21582		Carbon dioxide equivalent t				1.628	

¹ Performance specifications measured in accordance with DIN 12876. Cooling capacities up to 20 °C measured with ethanol; over 20 °C with thermal oil unless otherwise specified. Performance specifications apply at an ambient temperature of 20 °C. Performance values may differ with other bath fluids.

Technical data

Available voltage versions

Order No. 9650893

Available voltage versions:

9650893.33 230V 50/60Hz (Schuko Plug - CEE 7/4 Plug Type F) (R404A)

Cooling

Cooling of compressor 2-stage Air

Electronics

External pt100 sensor connection integrated

Temperature control PID1

Temperature display LED

Temperature setting Keypad

Immersion cooler

Immersion probe type inflexible

Dimensions cooling coil cm (i.d. x o.d. x H) 12 x 14 x 5.6

Dimensions and volumes

Weight kg 50

Total dimensions cm (W x L x H) 38 x 55 x 60

Temperature values

Working temperature range °C -90 ... +30

Temperature stability °C ±1

Ambient temperature °C +5 ... +40

Temperature display resolution °C 0.1

Other

IP Code IP 21

All Benefits



100% Checked.

100% testing. 100% quality. Each JULABO Circulator undergoes thorough quality testing before leaving the factory.



Green technology.

Development consistently applied environmentally friendly materials and technologies.



JULABO. Quality.

Highest standards of quality for a long product life.



Quick start.

Individual JULABO consultation and comprehensive manuals at your disposal.



Satisfied customers.

11 subsidiaries and more than 100 partners worldwide guarantee fast and qualified JULABO support.



Services 24/7.

Around the clock availability. You can find suitable accessories, data sheets, manuals, case studies, and more at www.julabo.com.

Refer to www.julabo.com for more information regarding the entire JULABO product portfolio. Technical changes without prior notification. Images may deviate from the original. | Datasheet No.EN9650893/260204